

Section 00100

NOTICE TO BIDDERS

**NORTH RIVER ROAD INTERCEPTOR SEWER REHABILITATION**

The Board of Public Works and Safety of the City of West Lafayette, Indiana will receive sealed bids for the **North River Road Interceptor Sewer Rehabilitation** until **12:00 PM** local time on **December 10, 2010**, at the office of the Clerk-Treasurer, City Hall, 609 West Navajo Street, West Lafayette, Indiana 47906. Bids received after said time will be returned unopened. No oral, telephoned, telegraphed, or facsimile bids or changes to bids will be considered. Bids will be publicly opened and read aloud on December 13, 2010 at 8:30 AM at the Council Chambers, City Hall, 609 West Navajo Street, West Lafayette, Indiana 47906.

The Work comprises furnishing all labor, materials, equipment, supplies and services for the rehabilitation of approximately 3,000 feet of 24-inch sanitary sewer, 17 sewer manholes, 55 feet of dig and replace sewer repair, and all associated Work complete in place as shown and specified.

A **Pre-Bid Conference** will be held on **December 1, 2010** at **10:00 a.m.** local time at the West Lafayette Wastewater Treatment Utility, 500 South River Road, West Lafayette, Indiana 47906. All bidders are encouraged to attend and participate in the conference.

Financing of the Project will be through the State and Tribal Assistance Grant (STAG), administered by the Indiana Finance Authority and all applicable rules and regulations shall apply. The participation goal for Minority Business Enterprise (MBE) for this contract is five percent (5%). The participation goal for Women's Business Enterprise (WBE) for this contract is six percent (6%). Bidders must also comply with Section 129 of Public Law 100-590, the Small Business Administration Reauthorization and Amendment Act of 1988.

Wage rates for the Work shall be not less than the Davis-Bacon wage scale.

Bids must be entered upon the bid form and the State Board of Accounts Form 96 (Revised 2005), with the bid and non-collusion affidavit properly executed, and must comply with the statutes of Indiana and with the rules and regulations of the State Board of Accounts of Indiana. Bids shall be submitted in a sealed envelope marked, "**BID - NORTH RIVER ROAD INTERCEPTOR SEWER REHABILITATION**".

The bid must be accompanied by a certified or cashier's check or bid bond in an amount not less than five percent (5%) of the total bid price made in favor of the City of West Lafayette, Indiana, which amount shall accrue to and become the property of the City should the Bidder, awarded a contract, fail to enter into the required written agreement and secure the same with the required one hundred percent (100%) performance, payment, and guarantee bond.

Copies of the Contract Documents may be obtained from the office of Greeley and Hansen, 6640 Intech Boulevard, Suite 180, Indianapolis IN, (317) 924-3380 upon the payment of \$50.00 for each set.

Bids remain in effect for ninety (90) days. The Board reserves the right to reject any or all bids and to waive irregularities of bidding.

CITY OF WEST LAFAYETTE  
BOARD OF PUBLIC WORKS AND SAFETY

Judith C. Rhodes, Clerk-Treasurer

END OF SECTION

## SECTION 00200

### INSTRUCTIONS TO BIDDERS

#### ARTICLE 1 DEFINED TERMS

- 1.01 Terms used in these Instructions to Bidders will have the meanings indicated in the General Conditions of the Construction Contract (EJCDC No. 1910-8, 1996 Edition) and Supplementary Conditions. Additional terms used in these Instructions to Bidders have the meanings indicated below which are applicable to both the singular and plural thereof:
- A. Bidder - The individual or entity who submits a Bid directly to OWNER.
  - B. Issuing Office - The office from which the Bidding Documents are to be issued and where the bidding procedures are to be administered.
  - C. Successful Bidder - The lowest, responsible Bidder submitting a responsive Bid to whom OWNER (on the basis of OWNER's evaluation as hereinafter provided) makes an award.
  - D. Notice to Bidders - The advertisement or invitation to bid.

#### ARTICLE 2 COPIES OF BIDDING DOCUMENTS

- 2.01 Refer to the Notice to Bidders for information on how and where copies of the Bidding Documents may be examined or obtained.
- 2.02 Complete sets of Bidding Documents must be used in preparing Bids; neither OWNER nor ENGINEER assumes any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.
- 2.03 OWNER and ENGINEER in making copies of Bidding Documents available do so only for the purpose of obtaining Bids for the Work and do not confer a license or grant for any other use.

#### ARTICLE 3 QUALIFICATIONS OF BIDDERS

- 3.01 To demonstrate Bidder's qualifications to perform the Work, each Bidder must complete the Experience Questionnaire on the Indiana State Board of Accounts Form 96. The Bidder's financial statement shall be submitted in a separately sealed envelope, clearly marked Bidder's Financial Statement, enclosed in the sealed envelope containing the Bid. The financial statement will be returned to the Bidder unopened with his Bid Security unless it is necessary to open the envelope for the purpose of determining the award. The financial statement submitted by the successful Bidder will be retained by the OWNER.
- 3.02 Bidders who are nonresident corporations shall furnish to the OWNER a Certified Copy of the Certificate of Authority to do Business in Indiana issued by the State of Indiana within 15 calendar days of notice to do so. Such notice will be given to Bidders who are

nonresident corporations, to whom it appears an award will be made, and the copy of the certificate must be filed with the OWNER before the award will be made. Failure to promptly submit this evidence of qualification to do business in the State of Indiana may be basis for rejection of the Bid.

3.03 State and Tribal Assistance (STAG) Bidding Requirements:

Financing for this project is expected to be through the Indiana State and Tribal Assistance Grants (STAG). The State Revolving Fund (SRF) forms listed below which will also be applicable to the STAG projects shall be submitted to the OWNER by the prescribed date. The Contractors must also comply with the Indiana SRF Loan Program Disadvantaged Business Enterprise (DBE) Packet and Small Business in Rural Areas requirements.

**Due at time of Bid**

Form OEE-1  
Form OEE-2

**Due 48 hours after Bid opening**

Form 6100-2  
Form 6100-3  
Form 6100-4  
Bidder's List Form

All SRF required forms can be found in **Exhibit B** to the Supplementary Conditions. Information regarding the affirmative steps relative to Small Business in Rural Areas (SBRAs) can be found in **Exhibit C**.

- 3.04 Each bidder must ensure that to the greatest extent feasible, opportunities for training and employment should be given to lower income residents of the project area and purchases and/or contracts for work in connection with the project should be awarded to small business concerns which are located in, or owned in substantial part by persons residing in, the area of the project.

ARTICLE 4 EXAMINATION OF CONTRACT DOCUMENTS, OTHER RELATED DATA, AND SITE

4.01 It is the responsibility of each Bidder before submitting a Bid to:

- A. Examine and carefully study the Bidding Documents, including any Addenda and the other related data identified in the Bidding Documents;
- B. All Bidders are to inform themselves of the conditions under which the work is to be performed, the site of the work, the obstacles which may be encountered, and all other relevant matters concerning the work to be performed. The successful Bidder will not be allowed any extra compensation by reason of any matter or thing concerning which said

Bidder might have fully informed himself, because of his failure to have so informed himself prior to the bidding.

- C. Become familiar with and satisfy Bidder as to all federal, state, and local Laws and Regulations that may affect cost, progress, or performance of the Work;
- D. To study and carefully correlate Bidder's knowledge and observations with the Contract Documents and such other related data;
- E. To promptly notify ENGINEER of all conflicts, errors, ambiguities, or discrepancies which Bidder has discovered in or between the Contract Documents and other such related documents;
- F. Become aware of the general nature of the work to be performed by OWNER and others at the Site that relates to the Work as indicated in the Bidding Documents;
- G. Correlate the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents;
- H. Agree at the time of submitting its Bid that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of its Bid for performance of the Work at the price bid and within the times and in accordance with the other terms and conditions of the Bidding Documents; and
- I. Determine that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work.

4.02 Reference is made to the Supplementary Conditions for identification of:

- A. Those reports of exploration and tests of subsurface conditions at or contiguous to the site which have been used by ENGINEER in preparation of the Contract Documents. Bidder may rely upon the general accuracy of the "technical data" contained in such reports by not upon other data, interpretations, opinions or information contained in such reports or otherwise relating to the subsurface conditions at the site, nor upon the completeness thereof for the purposes of bidding or construction.

Copies of reports or any other data will be made available by ENGINEER to any Bidder on request. Those reports or any other data are not part of the Contract Documents but the "technical data" contained therein upon which Bidder is entitled to rely as provided in Paragraph 4.02 of the General Conditions has been identified and established in Paragraph 4.02 of the Supplementary Conditions. Bidder is responsible for any interpretation or conclusion Bidder draws from any "technical data" or any other data, interpretations, opinions or information.

4.03 Underground Facilities:

- Information and data shown or indicated in the Bidding Documents with respect to existing Underground Facilities at or contiguous to the Site is based upon information and data furnished to OWNER and ENGINEER by owners of such Underground Facilities, including OWNER, or others.
- 4.04 Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with respect to subsurface conditions, other physical conditions and Underground Facilities and possible changes in the Contract Documents due to differing or unanticipated conditions appear in Paragraphs 4.02, 4.03, and 4.04 of the General Conditions.
- 4.05 Before submitting a Bid each Bidder will be responsible to obtain such additional or supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface and Underground Facilities) at or contiguous to the site or otherwise, which may affect cost, progress, performance or furnishing of the Work or which relate to any aspect of the means, methods, techniques, sequences or procedures of construction to be employed by Bidder and safety precautions and programs incident thereto or which Bidder deems necessary to determine its Bid for performing and furnishing the Work in accordance with the time, price and other terms and conditions of the Contract Documents.
- 4.06 On request, OWNER will provide Bidder access to the Site to conduct such examinations, investigations, explorations, tests, and studies as Bidder deems necessary for submission of a Bid. Bidder shall fill all holes and clean up and restore the Site to its former condition upon completion of such explorations, investigations, tests, and studies.
- 4.07 The submission of a Bid will constitute an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article 4, that without exception the Bid is premised upon performing and furnishing the Work required by the Bidding Documents and applying any specific means, methods, techniques, sequences, and procedures of construction that may be shown or indicated or expressly required by the Bidding Documents, that Bidder has given ENGINEER written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents and the written resolutions thereof by ENGINEER are acceptable to Bidder, and that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work.

#### ARTICLE 5 PRE-BID CONFERENCE

A **Pre-Bid Conference** for the discussion of the Work, the bidding requirements and other important matters will be held at **10:00 a.m.**, local time on **December 1, 2010** at the Wastewater Treatment Utility, 500 South River Road, West Lafayette, Indiana 47907. Representatives of the OWNER and ENGINEER will be present to discuss the Project. Bidders are encouraged to attend and participate in the conference. ENGINEER will transmit to all prospective Bidders of record such Addenda as ENGINEER considers necessary in response to questions arising at the conference. Oral statements made during the Pre-Bid Conference are not to be relied upon and will not be binding or legally effective.

## ARTICLE 6 SITE AND OTHER AREAS

The Site is identified in the Bidding Documents. All additional lands and access thereto required for temporary construction facilities, construction equipment, or storage of materials and equipment to be incorporated in the Work are to be obtained and paid for by CONTRACTOR. Easements for permanent structures or permanent changes in existing facilities are to be obtained and paid for by OWNER unless otherwise provided in the Bidding Documents.

## ARTICLE 7 INTERPRETATIONS AND ADDENDA

7.01 No interpretation of the meaning of the Plans, Drawings or other Contract Documents will be made to any Bidder orally. All questions about the meaning or intent of the Bidding Documents are to be directed to ENGINEER in writing, addressed to: Greeley and Hansen, 6640 Intech Blvd, Suite 180, Indianapolis, Indiana 46278. Interpretations or clarifications considered necessary by ENGINEER in response to such questions will be issued by Addenda which, if issued, will be mailed or faxed to all parties recorded by ENGINEER as having received the Bidding Documents, not later than 5 days prior to the date fixed for the Bid opening. Questions received less than seven days prior to the date for opening of Bids may not be answered. Only questions answered by formal written Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

If requested, a copy of an Addendum will be delivered to a prospective Bidder's representative at the office of the ENGINEER and receipted for by said Bidder's representative. Failure of any Bidder to receive any addenda does not relieve said Bidder from any obligation under the Bid as submitted. All addenda issued become part of the Contract Documents.

7.02 Addenda may be issued to clarify, correct, or change the Bidding Documents as deemed advisable by OWNER or ENGINEER.

## ARTICLE 8 BID SECURITY

8.01 Each Bid must be accompanied by Bid Security made payable to OWNER in an amount of five (5) percent of Bidder's maximum Bid price and in the form of a certified or bank cashier's check or a Bid Bond, on the form attached, issued by a surety meeting the requirements of paragraphs 5.01 and 5.02 of the General Conditions.

8.02 The Bid Security of the Successful Bidder will be retained until such Bidder has executed the Contract Documents, furnished the required contract security and met the other conditions of the Notice of Award, whereupon the Bid Security will be returned. If the Successful Bidder fails to execute and deliver the Contract Documents and furnish the required contract security within fifteen (15) days after the Notice of Award, OWNER may annul the Notice of Award and the Bid Security of that Bidder will be forfeited. The Bid Security of other Bidders whom OWNER believes to have a reasonable chance of receiving the award may be retained by OWNER until the earlier of the seventh day after

the Effective Date of the Agreement or the 90th day after the Bid opening, whereupon Bid security furnished by such Bidders will be returned.

- 8.03 Bid security of other Bidders whom OWNER believes do not have a reasonable chance of receiving the award will be returned within seven days after the Bid opening.

#### ARTICLE 9 CONTRACT TIMES

- 9.01 The number of days within which, or the dates by which, the Work is to be (a) Substantially Completed and (b) also completed and ready for final payment are set forth in the Agreement and in the Bid Proposal Form.

#### ARTICLE 10 LIQUIDATED DAMAGES

- 10.01 Provisions for liquidated damages are set forth in the Agreement.

#### ARTICLE 11 SUBSTITUTE AND "OR-EQUAL" ITEMS

- 11.01 The Contract, if awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration of possible substitute or "or-equal" items. Whenever it is indicated in the Bidding Documents that a substitute or "or-equal" item of material or equipment may be furnished or used by CONTRACTOR if acceptable to ENGINEER, application for such acceptance will not be considered by ENGINEER until after the Effective Date of the Agreement. The procedure for submission of any such application by CONTRACTOR and consideration by ENGINEER is set forth in the General Conditions and may be supplemented in the General Requirements.

#### ARTICLE 12 PREPARATION OF BID

- 12.01 The Bid Proposal Form is included with the Bidding and Contract Documents. Prepare and present the Bid Form, including a fully executed Indiana State Board of Accounts Form No. 96 together with the Additional Provisions, in accordance with the Instructions to Bidders.
- 12.02 All blanks on the Bid Form shall be completed and the Bid signed. A Bid price shall be indicated for each Bid item listed therein.
- 12.03 A bid by a corporation shall be executed in the corporate name by the president or a vice-president or other corporate officer accompanied by evidence of authority to sign. The corporate seal must be affixed and attested by the secretary or an assistant secretary. The corporate address and state of incorporation shall be shown below the signature.
- 12.04 A bid by a partnership shall be executed in the partnership name and signed by a partner, whose title must appear under the signature, accompanied by evidence of authority to sign. The official address of the partnership shall be shown below the signature.

- 12.05 A bid by a limited liability company shall be executed in the name of the firm by a member and accompanied by evidence of authority to sign. The state of formation of the firm and the official address of the firm must be shown below the signature.
- 12.06 A bid by an individual shall show the Bidder's name and official address.
- 12.07 A bid by a joint venture shall be executed by each joint venturer in the manner indicated on the Bid form. The official address of the joint venture must be shown below the signature.
- 12.08 Print all names below the signatures.
- 12.09 Acknowledge receipt of all Addenda on the Bid Form.
- 12.10 Show the address and telephone number for communications regarding the Bid.
- 12.11 Provide evidence of authority to conduct business as an out-of-state corporation in the State of Indiana in accordance with Article 3 above. Show state contractor license number, if any.

#### ARTICLE 13 SUBMITTAL OF BID

- 13.01 A bid shall be submitted no later than the time and place indicated in the Notice to Bidders and shall be enclosed in an opaque sealed envelope, marked with the Project title (and, if applicable, the designated portion of the Project for which the Bid is submitted) and name and address of Bidder, and accompanied by the Bid security and other required documents. If the Bid is sent through the mail or other delivery system, the sealed envelope containing the Bid must be enclosed in a separate envelope plainly marked on the outside with the notation **"BID- NORTH RIVER ROAD INTERCEPTOR SEWER REHABILITATION."** A mailed bid shall be addressed to City of West Lafayette, 609 West Navajo Street, West Lafayette, Indiana 47906 and sent by Certified Mail. Mailed Bids must be received no later than the time fixed for opening Bids.

#### ARTICLE 14 MODIFICATION AND WITHDRAWAL OF BID

- 14.01 A Bid may be modified or withdrawn by an appropriate document duly executed in the manner that a Bid must be executed and delivered to the place where Bids are to be submitted prior to the date and time for the opening of Bids.
- 14.02 If, within 24 hours after Bids are opened, any Bidder files a duly signed, written notice with OWNER and promptly thereafter demonstrates to the reasonable satisfaction of OWNER that there was a material and substantial mistake in the preparation of its Bid, that Bidder may withdraw its Bid and the Bid Security will be returned. Thereafter, that Bidder will be disqualified from further bidding on the Work to be provided under the Contract Documents.

## ARTICLE 15 OPENING OF BIDS

- 15.01 Bids will be opened at the time and place indicated in the advertisement or Notice to Bidders and, unless obviously nonresponsive, read aloud publicly.

## ARTICLE 16 BIDS TO REMAIN SUBJECT TO ACCEPTANCE

- 16.01 All Bids will remain subject to acceptance for 90 calendar days after the day of the Bid Opening, but OWNER may, in its sole discretion, release any Bid and return the Bid Security prior to that date.

## ARTICLE 17 AWARD OF CONTRACT

- 17.01 OWNER reserves the right to reject any or all Bids, including, without limitation, the rights to reject any or all nonconforming, nonresponsive, unbalanced or conditional Bids and to reject the Bid of any Bidder if OWNER believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the bid is not responsive or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by the OWNER. OWNER also reserves the right to waive all information not involving price, time or changes in the Work and to negotiate contract terms with the successful Bidder. Discrepancies between the multiplication of units of Work and unit prices will be resolved in favor of unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. Discrepancies between the words and figures will be resolved in favor of the words.
- 17.02 In evaluating Bids, OWNER will consider whether or not the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.
- 17.03 OWNER may conduct such investigations as OWNER deems necessary to establish the responsibility, qualifications and financial ability of Bidders to perform the Work in accordance with the Contract Documents.
- 17.04 If the contract is to be awarded, OWNER will award the contract to the Bidder whose Bid will be in the best interests of the Project.

## ARTICLE 18 CONTRACT SECURITY AND INSURANCE

- 18.01 Article 5 of the General Conditions, as may be modified by the Supplementary Conditions, sets forth OWNER's requirements as to performance and payment Bonds and insurance. When the Successful Bidder delivers the executed Agreement to OWNER, it must be accompanied by such Bonds.
- 18.02 Article 5 of the General Conditions, as may be modified by the Supplementary Conditions, sets forth OWNER's requirements as to insurance. Certificates of Insurance (and other

evidence of insurance requested by OWNER or Other Additional Insured) must be furnished, as required, before beginning work.

#### ARTICLE 19 SIGNING OF AGREEMENT

19.01 When OWNER gives a Notice of Award to the Successful Bidder, it will be accompanied by the required number of unsigned counterparts of the Agreement with the other Contract Documents, which are identified in the Agreement as attached thereto. Within 15 days thereafter, Successful Bidder shall sign and deliver the required number of counterparts of the Agreement and attached documents to OWNER with the required Bonds. Within ten days thereafter OWNER shall deliver one fully signed counterpart to Successful Bidder with a complete set of the Drawings with appropriate identification.

#### ARTICLE 20 SALES AND USE TAXES

20.01 OWNER is exempt from Indiana State Sales and Use Taxes on materials and equipment to be incorporated in the Work. Said taxes shall not be included in the Contract Price. Refer to Paragraph SC-6.10 of the Supplementary Conditions for additional information.

#### ARTICLE 21 RETAINAGE

21.01 Provisions concerning retainage are set forth in the Agreement.

#### ARTICLE 22 WAGE RATES

22.01 Wage rates for the Work shall be not less than the current Davis-Bacon prescribed wage scale. The prevailing wage rates applicable to the project are attached as **Exhibit A** to the Supplementary Conditions.

#### ARTICLE 23 DISADVANTAGED BUSINESS ENTERPRISES

23.01 The Bidders attention is directed to the Disadvantaged Business Enterprises provision of the Agreement and to the President's Executive Order 12432 issued July 17, 1983 on "Minority Business Enterprise Development." The CONTRACTOR shall take all necessary affirmative action steps to meet the following participation goals for minority business enterprise (MBE) and women's business enterprise (WBE):

1. MBE goal is 5 percent of the contract price.
2. WBE goal is 6 percent of the contract price.

Disadvantaged Business Enterprise forms and guidance are attached as **Exhibit B** to the Supplementary Conditions.

## ARTICLE 24 SMALL BUSINESS IN RURAL AREAS

The Bidders attention is directed to Section 129 of Public Law 100-590, the Small Business Administration and Reauthorization Act of 1988. The CONTRACTOR shall comply with all necessary affirmative steps relative to Small Business in Rural Areas (SBRAs).

SBRA guidance is attached as **Exhibit C** to the Supplementary Conditions.

## ARTICLE 25 PROJECT FUNDING

25.01 This project will be funded through the State and Tribal Assistance Grant (STAG) administered by the Indiana Finance Authority.

END OF SECTION

## SECTION 00800

### SUPPLEMENTARY CONDITIONS

These Supplementary Conditions amend or supplement the Standard General Conditions of the Construction Contract (No. 1910-8, 1996 Edition) and other provisions of the Contract Documents as indicated below. All provisions which are not so amended or supplemented remain in full force and effect.

The terms used in these Supplementary Conditions which are defined in the Standard General Conditions of the Construction Contract (No. 1910-8, 1996 Edition) have the meaning assigned to them in the General Conditions.

#### SUPPLEMENTARY CONDITIONS TO ARTICLE 1. DEFINITIONS AND TERMINOLOGY

- SC-1.01A.7. In the first sentence of the paragraph 1.01.A.7. of the General Conditions delete "Advertisement or Invitation to Bid" and substitute "Notice to Bidders" therefore.
- SC-1.01A.51. Add new paragraph 1.01.A.51., immediately after paragraph 1.01.A.50. of the General Conditions which shall read as follows:
51. "Additional Insureds", except where otherwise expressly defined, shall mean:
- Board of Public Works and Safety, City of West Lafayette, Indiana  
Greeley and Hansen LLC  
Fluid Waste Services, Inc.

#### SUPPLEMENTARY CONDITIONS TO ARTICLE 2. PRELIMINARY MATTERS

- SC-2.02.A. Amend the first sentence of paragraph 2.02.A. of the General Conditions by striking out "ten" and inserting "five", and as so amended paragraph remains in effect.

SC-2.03.A. Delete paragraph 2.03.A. in its entirety and insert the following in its place:

The Contract Time will commence to run on the day indicated in the Notice to Proceed. In no event will the Contract Time commence to run later than 30 days after the Effective Date of the Agreement.

**SUPPLEMENTARY CONDITIONS TO ARTICLE 4. AVAILABILITY OF LANDS;  
SUBSURFACE AND PHYSICAL CONDITIONS; REFERENCE POINTS**

SC-4.02 In the preparation of Drawings and Specifications, ENGINEER relied upon:

4.02.A.1. Closed circuit television (CCTV) inspection videos of the interceptor sewer dated August 2006.

Copies of the videos are not included with the Contract Documents but may be examined at the office of Greeley and Hansen, Indianapolis during regular business hours.

The videos are not part of the Contract Documents, but the “technical data” contained therein upon which Bidder is entitled to rely as provided in paragraph 4.02.B. of the General Conditions and as identified and established above are incorporated therein by reference. Bidder is not entitled to rely upon other information and data utilized by ENGINEER in the preparation of Drawings and Specifications.

**SUPPLEMENTARY CONDITIONS TO ARTICLE 5. BONDS AND INSURANCE**

SC-5.04 The limits of liability for the insurance required by paragraph 5.04 of the General Conditions shall provide the following coverages for not less than the following amounts or greater where required by Laws and Regulations:

5.04.A.1. and 5.04.A.2. Workers' Compensation, etc. under paragraphs 5.04.A.1. and 5.04.A.2. of the General Conditions:

- |   |              |
|---|--------------|
| (1) State:  | Statutory    |
| (2) Applicable Federal<br>(e.g., Longshoreman's): | Statutory    |
| (3) Employer's Liability:                         | \$ 1,000,000 |

5.04.A.3., 5.04.A.4., and 5.04.A.5. Contractor's Liability Insurance under paragraphs 5.04.A.3. through 5.04.A.5. of the General Conditions which shall also include completed operations and product liability coverages and eliminate

the exclusion with respect to property under the care, custody and control of CONTRACTOR:

- |     |  |              |
|-----|--|--------------|
| (1) | General Aggregate<br>(Except Products –<br>Completed Operations)   | \$ 2,000,000 |
| (2) | Products – Completed<br>Operations Aggregate   | \$ 2,000,000 |
| (3) | Personal and Advertising<br>Injury (Per Person/<br>Organization)   | \$ 1,000,000 |
| (4) | Each Occurrence<br>(Bodily Injury and<br>Property Damage)  | \$ 1,000,000 |
| (5) | Property Damage Liability Insurance will provide Explosion, Collapse<br>and Underground coverage where applicable. |              |
| (6) | Excess Liability<br>General Aggregate  | \$ 5,000,000 |
|     | Each Occurrence  | \$ 2,000,000 |

5.04.A.6. Automobile Liability:

- |     |  |              |
|-----|--|--------------|
| (1) | Bodily Injury:   |              |
|     | Each Person  | \$ 500,000   |
|     | Each Accident  | \$ 1,000,000 |
|     | Property Damage:   |              |
|     | Each Accident  | \$ 500,000   |
|     |  | Or           |
| (2) | Combined Single<br>Limit (Bodily Injury<br>and Property Damage): | \$ 1,000,000 |
|     | Each Accident  | \$ 1,000,000 |

5.04.B.1. Include on policies as additional insureds:

Board of Public Works and Safety, City of West Lafayette, Indiana  
Greeley and Hansen LLC  
Fluid Waste Services, Inc.

5.04.B.2. The limits of liability for the insurance required by paragraph 5.04.B.4 of the General Conditions shall provide the following coverages for not less than the following amounts or greater where required by Laws and Regulations:

Contractual Liability:

General Aggregate	\$ 2,000,000
Each Occurrence	\$ 1,000,000

SC-5.05 Delete paragraph 5.05 of the General Conditions in its entirety and insert the following in its place:

5.05 Contractor shall purchase and maintain until the date of final acceptance, Owners and Contractor's Protective Liability Insurance to protect OWNER, including its employees, officers and agents against claims which may arise from the operations of the Contractor, or his subcontractors. The coverage shall be for not less than the following amounts or greater where required by law or regulation:

Limits per Occurrence	
Bodily Injury/Property Damage	\$1,000,000
Personal/Advertising Injury	\$1,000,000
General Aggregate Limit per Policy Year except Products/Completed Operations	\$3,000,000

This insurance shall also cover the Engineers, Greeley and Hansen, Greeley and Hansen's subconsultants or such other engineer or engineers as may act under the contract, against similar claims.

SC-5.06 Delete paragraph 5.06 of the General Conditions in its entirety and insert the following in its place:

5.06 Property Insurance

A. CONTRACTOR shall purchase and maintain property insurance on the Work in the amount of the full replacement cost thereof (subject to such deductible amounts as may be provided in these Supplementary Conditions or required by Laws and Regulations). This insurance shall:

1. include the interests of OWNER, CONTRACTOR, Subcontractors, ENGINEER, ENGINEER's Consultants and any other persons or entities identified in the Supplementary Conditions, each of whom is deemed to have an insurable interest and shall be listed as an insured or additional insured;
2. be written on a Builder's Risk "all-risk" or open peril or special causes of loss policy form that shall at least include insurance for physical loss and

damage to the Work, temporary buildings, falsework and Work in transit and shall insure against at least the following perils: fire, lightning, extended coverage, theft, vandalism and malicious mischief, earthquake, collapse, debris removal, demolition occasioned by enforcement of Laws and Regulations, water damage, and such other perils as may be specifically required by the Supplementary Conditions;

3. include expenses incurred in the repair or replacement of any insured property (including but not limited to fees and charges of engineers and architects);
4. cover materials and equipment in transit for incorporation in the Work or stored at the site or at another location that was agreed to in writing by OWNER prior to being incorporated in the Work, provided that such materials and equipment have been included in an Application for Payment recommended by ENGINEER; and
5. allow for partial utilization of the Work by OWNER;
6. include testing and startup; and
7. be maintained in effect until final payment is made unless otherwise agreed to in writing by OWNER, CONTRACTOR and ENGINEER with thirty days written notice to each other additional insured to whom a certificate of insurance has been issued.

The policies of insurance required to be purchased and maintained by CONTRACTOR in accordance with this paragraph 5.06A will contain a provision or endorsement that the coverage afforded will not be canceled or materially changed or renewal refused until at least 30 days prior written notice has been given to OWNER and CONTRACTOR and to each other additional insured to whom a certificate of insurance has been issued and will contain waiver provisions in accordance with paragraph 5.07 of the General Conditions.

#### SUPPLEMENTARY CONDITIONS TO ARTICLE 6. CONTRACTOR'S RESPONSIBILITIES

SC-6.02.B. Add the following after paragraph 6.02.B. of the General Conditions:

1. Work Hours: Perform work between 7:00 a.m. and 7:00 p.m. Mondays through Fridays only. Emergency work may be performed anytime without the OWNER's written consent required in paragraph 6.3
2. Work After Hours: Night work may be established by CONTRACTOR as regular procedure with written consent of OWNER. Such consent,

however, may be revoked at any time by OWNER if CONTRACTOR fails to maintain adequate equipment and supervision for proper prosecution and control of night work.

SC-6.02.C. Add the following after paragraph 6.02.B. of the General Conditions:

1. Overtime Pay for Resident Project Representative:

It is not anticipated that construction observation will exceed 40 hours per week. However, CONTRACTOR shall be responsible for overtime pay (in excess of 40 hours per week) for Resident Project Representative when the overtime is directly related to observation of the construction.

Whenever CONTRACTOR is working on any part of the project, Construction Observation will be required and the appropriate number of Observers must work to properly observe CONTRACTOR's Work. Time spent by Observers in report writing, office work, time sheets and other work not related to actual construction observation will NOT be considered the responsibility of CONTRACTOR.

Compute overtime pay at a rate of one and one-half of the regular rate of pay for Resident Project Representative based on the actual hours worked. Overtime payments will be accumulated monthly and deducted from CONTRACTOR's monthly partial payment estimates.

SC-6.02.D. Add the following after paragraph 6.02.C. of the General Conditions:

1. Payment of Resident Project Representative beyond Construction Contract Completion Time:

CONTRACTOR shall be responsible for both regular and overtime pay for Resident Project Representatives for observation of construction beyond the Contract Completion Time. This requirement is in effect during the time period from the Contract expiration date to the date on which OWNER receive written certification of completion from ENGINEER. CONTRACTOR shall NOT be responsible for Resident Project Representatives pay for authorized time extensions granted by OWNER.

Compute overtime pay at a rate of one and one-half of the regular rate of pay for Resident Project Representatives on actual hours worked. Overtime payments will be accumulated monthly and deducted from CONTRACTOR's monthly partial payment estimates.

SC-6.06.B. Add the following after paragraph 6.06.B. of the General Conditions:

1. Within 15 days after the effective date of the Agreement, CONTRACTOR shall submit to ENGINEER for review a list in duplicate of the names of proposed manufacturers, materialmen, suppliers and subcontractors. Obtain approval of this list by OWNER prior to submission of any shop drawings or product data.

SC-6.08 Add the following 6.08.B, 6.08.C after paragraph 6.08.A. of the General Conditions:

SC-6.08.B. OWNER has obtained the following permits:

1. Indiana Department of Transportation Right-of-Way Permit for Construction within SR 43 Right-of-Way.

SC-6.08.C. CONTRACTOR shall comply with all permit conditions that apply to the Work or execution thereof. Conditions that apply include:

1. Perform Work within state highway right-of-way in accordance with INDOT permit requirements.
2. Deposition of excavated materials and all earthwork operations will be carried out in such a manner that soil erosion and sediment runoff to any nearby watercourse are controlled and minimized.
3. Compliance with Federal and State laws that require Work to stop and the following offices to be notified if any archaeological artifacts are uncovered during construction:

Division of Historic Preservation  
(317-232-1646)

Department of the Army Corps of Engineers  
(313-226-2222)

4. The CONTRACTOR shall not impede the navigation of such waters, nor injure, damage, impair or endanger any bridge, highway, railroad, public work or utility, or the property of a riparian owner, adjoining proprietor or adjacent permittee, nor endanger the safety of the public or lives of individuals.

SC-6.09.D. Add the following new paragraph after paragraph 6.09.C. of the General Conditions which shall read as follows:

- D. Financing of this project will be through the State and Tribal Assistance Grant (STAG) administered by the Indiana Finance Authority.

SC-6.10 Add the following language at the end of paragraph 6.10 of the General Conditions:

Materials and equipment that are purchased for this project that will become the property of the OWNER are exempt from sales tax. CONTRACTORS purchasing materials or equipment for the project shall register with the Indiana Department of Revenue for the sales tax exemption. To register, a federal tax ID number, a business address and a fee are required.

SC-6.13 Add the following new paragraphs 6.13.A.4., 6.13.A.5., 6.13.A.6., and 6.13.A.7. after paragraph 6.13.A.3. of the General Conditions which shall read as follows:

4. No Duty. The duty of the OWNER or ENGINEER to observe CONTRACTOR's performance does not include any review of the adequacy of CONTRACTOR's safety measures in, on, or near the Work site or sites. ENGINEER has not been retained or compensated to provide design and construction review services relating to CONTRACTOR's safety precautions required for CONTRACTOR to perform the Work.
5. No Liability. Neither the OWNER, nor any official or employee of the OWNER, nor the ENGINEER, or any authorized assistant or agent of any of them, shall be responsible for safety precautions and programs in connection with the Work or any liability arising therefrom.
6. Protection of OWNER's Operations. The CONTRACTOR shall take all necessary precautions so as to cause no unauthorized interruption in any essential part of the wastewater sewer system. Sewer system operations must be maintained at the same level during construction as existed prior to construction.

Shutdowns for construction Work shall be scheduled in advance (minimum 14 days advance notice), carefully planned, and shall be carried out in close cooperation with the OWNER.

The OWNER shall retain the authority to require the cessation of construction activities and return to service of any component of the wastewater collection system should the need arise.

7. Special Requirements for Structural Design. All structures to be provided by the CONTRACTOR, (except those structures for which details are shown on the Drawings), that require structural design shall be designed and constructed under the observation of a structural engineer, registered in the State of the Project, acting for and retained by the CONTRACTOR. Drawings and calculations for such structures shall be prepared and sealed by the structural engineer and submitted to the ENGINEER for record. A clear outline of the proposed construction procedure shall be shown on the drawings. A statement in writing by the structural engineer attesting that said engineer has visited the Work site or sites, that the design does satisfy the conditions as actually encountered and that the actual construction conforms to the drawings and calculations, as submitted, must be submitted to the ENGINEER before the Work related to such structures will be considered complete.

All temporary structures, including sheeting and bracing for excavations, that affect the safety of the public, workmen, inspectors, or OWNER's or ENGINEER's personnel shall be regarded as structures that require structural design.

SC-6.17.E Add a new paragraph 6.17.E.4. immediately after paragraph 6.17.E.3. of the General Conditions which is to read as follows:

4. ENGINEER, generally, will process shop drawings and return them to the CONTRACTOR in not more than 10 working days from day of receipt. If the nature of the shop drawing is such that the review cannot be completed in 10 working days, ENGINEER will advise the CONTRACTOR giving a schedule for performing the review.

SC-6.21 Add a new paragraph 6.21 immediately after paragraph 6.20 of the General Conditions which is to read as follows:

6.21 Confined Space Entry

CONTRACTOR shall be responsible for establishing and implementing a confined space entry program in accordance with 29 CFR 1910 and other pertinent laws or regulations. CONTRACTOR shall require all subcontractors to implement and comply with CONTRACTOR's confined space entry program.

SUPPLEMENTARY CONDITIONS TO ARTICLE 7. OTHER WORK

SC-7.02 Add a new paragraph 7.02.C. immediately after paragraph 7.02.B. of the General Conditions which shall read as follows:

- C. Should CONTRACTOR cause damage to the Work or property of any separate CONTRACTOR at the site, or should any claim arising out of CONTRACTOR's performance of the Work at the site be made by any separate contractor against CONTRACTOR, OWNER, ENGINEER, ENGINEER's Consultants, or any other person, CONTRACTOR shall promptly attempt to settle with such other contractor by agreement, or to otherwise resolve the dispute by arbitration or at law. CONTRACTOR shall, to the fullest extent permitted by Laws and Regulations, indemnify and hold OWNER, ENGINEER, and ENGINEER's Consultants harmless from and against all claims, damages, losses and expenses (including, but not limited to, fees of engineers, architects, attorneys and other professionals and court and arbitration costs) arising directly, indirectly or consequentially out of any action, legal or equitable, brought by any separate contractor against OWNER, ENGINEER, or ENGINEER's Consultants to the extent based on a claim arising out of CONTRACTOR's performance of the Work. Should a separate contractor cause damage to the Work or property of CONTRACTOR or should the performance of Work by any separate contractor at the site give rise to any other claim, CONTRACTOR shall not institute any action, legal or equitable, against OWNER, ENGINEER, or ENGINEER's Consultants or permit any action against any of them to be maintained and continued in its name or for its benefit in any court or before any arbiter which seeks to impose liability on or to recover damages from OWNER, ENGINEER, or ENGINEER's Consultants on account of any such damage or claim. If CONTRACTOR is delayed at any time in performing or furnishing Work by any act or neglect of a separate contractor and OWNER and CONTRACTOR are unable to agree as to the extent of any adjustment in Contract Times attributable thereto, CONTRACTOR may make a claim for an extension of times in accordance with Article 12. An extension of the Contract Times shall be CONTRACTOR's exclusive remedy with respect to OWNER, ENGINEER, and ENGINEER's Consultants for any delay, disruption, interference or hindrance caused by any separate contractor. This paragraph does not prevent recovery from OWNER, ENGINEER, or ENGINEER's consultant for activities that are their respective responsibilities.

**SUPPLEMENTARY CONDITIONS TO ARTICLE 9. ENGINEER'S STATUS DURING CONSTRUCTION**

- SC-9.04 Delete the first sentence of paragraph 9.04A of the General Conditions and insert the following in its place:
- A. ENGINEER will issue, within five working days of receipt, such written clarifications or interpretations of the requirement of the Contract

Documents (in the form of Drawings or otherwise) as ENGINEER may determine necessary, which shall be consistent with the intent of and reasonably inferable from Contract Documents. If ENGINEER determines, based upon the nature of the requested clarification or interpretation, that the response cannot be furnished in five working days, ENGINEER will advise the CONTRACTOR giving a schedule for furnishing the information.

**SUPPLEMENTARY CONDITIONS TO ARTICLE 11. COST OF WORK; CASH ALLOWANCES; UNIT PRICE WORK**

SC-11.03 Delete paragraph 11.03.C of the General Conditions in its entirety and insert the following in its place:

- C. The unit price of an item of Unit Price Work shall be subject to re-evaluation and adjustment under the following conditions:
  - 1. If the total cost of a particular item of Unit Price Work amounts to 5 percent or more of the Contract Price and the variation in the quantity of that particular item of Unit Price Work performed by Contractor differs by more than 15 percent from the estimated quantity of such item indicated in the Agreement: and
  - 2. If there is no corresponding adjustment with respect to any other item of Work; and
  - 3. If CONTRACTOR believes that CONTRACTOR has incurred additional expense as a result thereof; or if OWNER believes that the quantity variation entitles OWNER to an adjustment in the unit price, either OWNER or CONTRACTOR may make a claim for an adjustment in the Contract Price in accordance with Paragraph 10.05 if the parties are unable to agree as to the effect of any such variations in the quantity of Unit Price Work performed.

**SUPPLEMENTARY CONDITIONS TO ARTICLE 12. CHANGE OF CONTRACT PRICE; CHANGE OF CONTRACT TIMES**

SC-12.06 Delete paragraph 12.06 of the General Conditions in its entirety and insert the following in its place:

12.06 Delay Damages

- A. No claim for payment, compensation or adjustment of any kind (other than the extensions of time provided for herein) shall be made or

asserted against the OWNER or ENGINEER by the CONTRACTOR for damages caused by hindrances or delays from any cause, whether such hindrances or delays be avoidable or unavoidable, and the CONTRACTOR shall make no claim for damages by reason of any such hindrances or delays, and will accept in full satisfaction of such hindrances or delays an extension of time to complete the performance of the Work as specified.

#### SUPPLEMENTARY CONDITIONS TO ARTICLE 14. PAYMENTS TO CONTRACTOR AND COMPLETION

SC-14.05 Add a new paragraph immediately after paragraph 14.05.A.2. of the General Conditions, which is to read as follows:

3. OWNER may at any time request CONTRACTOR in writing to permit OWNER to take over operation of any such part of the Work although it is not substantially complete. A copy of such request will be sent to ENGINEER and within a reasonable time thereafter OWNER, CONTRACTOR and ENGINEER shall make an inspection of that part of the Work to determine its status of completion and will prepare a list of the items remaining to be completed or corrected thereon before final payment. If CONTRACTOR does not object in writing to OWNER and ENGINEER that such part of the Work is not ready for separate operation by OWNER, ENGINEER will finalize the list of items to be completed or corrected and will deliver such lists to OWNER and CONTRACTOR together with a written recommendation as to the division of responsibilities pending final payment between OWNER and CONTRACTOR with respect to security, operation, safety, maintenance, utilities, insurance warranties and guarantees for that part of the Work which will become binding upon OWNER and CONTRACTOR at the time when OWNER takes over such operation (unless they shall have otherwise agreed in writing and so informed ENGINEER). During such operation and prior to Substantial Completion of such part of the Work, OWNER shall allow CONTRACTOR reasonable access to complete or correct items on said list and to complete other related Work.

SC-14.10 Add a new paragraph immediately after paragraph 14.09 of the General Conditions, which is to read as follows:

#### 14.10 Audits, Access to Records

- A. The Contractor shall maintain books, records, documents, and other evidence directly pertinent to performance of work under this agreement in accordance with generally accepted accounting principles and

practices consistently applied in effect on the date of execution of this agreement. The Contractor shall also maintain the financial information and data used by the Contractor in the preparation or support of the cost submission required for any negotiated change order and a copy of the cost summary submitted to the OWNER.

- B. The OWNER or any of its authorized representatives shall have access to all such books, records, documents, and other evidence for the purpose of inspection, audit and copying during normal business hours. The Contractor will provide proper facilities for such access and inspection.
- C. The Contractor agrees to make paragraphs A. through C. of this clause applicable to all negotiated change orders and agreement amendments affecting the agreement price.
- D. Audits conducted under this provision shall be in accordance with generally accepted auditing standards.

#### SUPPLEMENTARY CONDITIONS TO ARTICLE 17. MISCELLANEOUS

SC-17.06 Add a new paragraph immediately after paragraph 17.05 of the General Conditions, which is to read as follows:

##### 17.06 Wage Rates

Wage rates for the Work shall be not less than the current prescribed Davis-Bacon wage scale for Huntington County, Indiana. The prevailing wages applicable to this project are attached to, and made a part of the Supplementary Conditions (Reference **Exhibit A**).

SC-17.07 Add a new paragraph immediately after paragraph 17.06 of the General Conditions, which is to read as follows:

##### 17.07 Disadvantaged Business Enterprises and Small Business in Rural Areas:

The CONTRACTOR shall take all necessary affirmative steps to assure that small, minority and women's business enterprises are used when possible. Affirmative steps shall include taking the following actions for all of these three (3) types of enterprises:

- A. Placing qualified DBEs and SBAs on solicitation lists.
- B. Assuring that DBEs and SBAs are solicited whenever they are potential sources.
- C. Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by DBEs and SBAs.

- D. Establishing delivery schedules, where the requirement permits, which encourage participation by these DBEs and SBAs.
- E. Using the services and assistance of the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.
- F. Complying with United States Environmental Protection Agency Disadvantaged Business Enterprise Participation and Section 129 of Public Law 100-590, the Small Business Administration Reauthorization and Amendment Act of 1988 (Reference **Exhibits B and C**)
- G. Requiring each subcontractor to take the affirmative steps A. through F. above.

SC-17.08 Add a new paragraph immediately after paragraph 17.07 of the General Conditions, which is to read as follows:

17.08 Prohibition of Discrimination

The CONTRACTOR agrees:

- A. That in the hiring of employees for the performance of work under this Contract or any subcontract hereunder, no contractor, or subcontractor, nor any person acting on behalf of such contractor or subcontractor, shall, by reason of race, religion, color, sex, national origin or ancestry, discriminate against any citizen of the state of Indiana who is qualified and available to perform the work to which the employment relates;
- B. That no contractor, subcontractor, or any person on his behalf shall in any manner, discriminate against or intimidate any employee hired for the performance of work under this contract on account of race, religion, color, sex, national origin or ancestry;
- C. That there may be deducted from the amount payable to the contractor under this contract, a penalty of five dollars [\$5.00] for each person for each calendar day during which such person was discriminated against or intimidated in violation of the provisions of the Contract; and
- D. That this Contract may be canceled or terminated by the OWNER and all money due to become due hereunder may be forfeited, for a second or any subsequent violation of the terms or conditions of this section of the Contract.

END OF SECTION

# CITY OF WEST LAFAYETTE, INDIANA

DRAWINGS FOR

## NORTH RIVER ROAD INTERCEPTOR SEWER REHABILITATION

MAYOR  
JOHN DENNIS

### BOARD OF PUBLIC WORKS AND SAFETY

JOHN DENNIS, President

SANA BOOKER, Member

BRAD MARLEY, Member

JONATHAN SPEAKER, Member

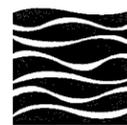
ELIZABETH STULL, Member

### WASTEWATER TREATMENT UTILITY DIRECTOR

DAVID HENDERSON

CITY ENGINEER

DAVID BUCK, P.E.



**GREELEY AND HANSEN**

6640 INTECH BOULEVARD, SUITE 180

INDIANAPOLIS, IN 46278

NOVEMBER 2010

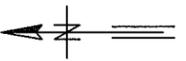
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NOVEMBER 18, 2010



*Paul J. Vogel*

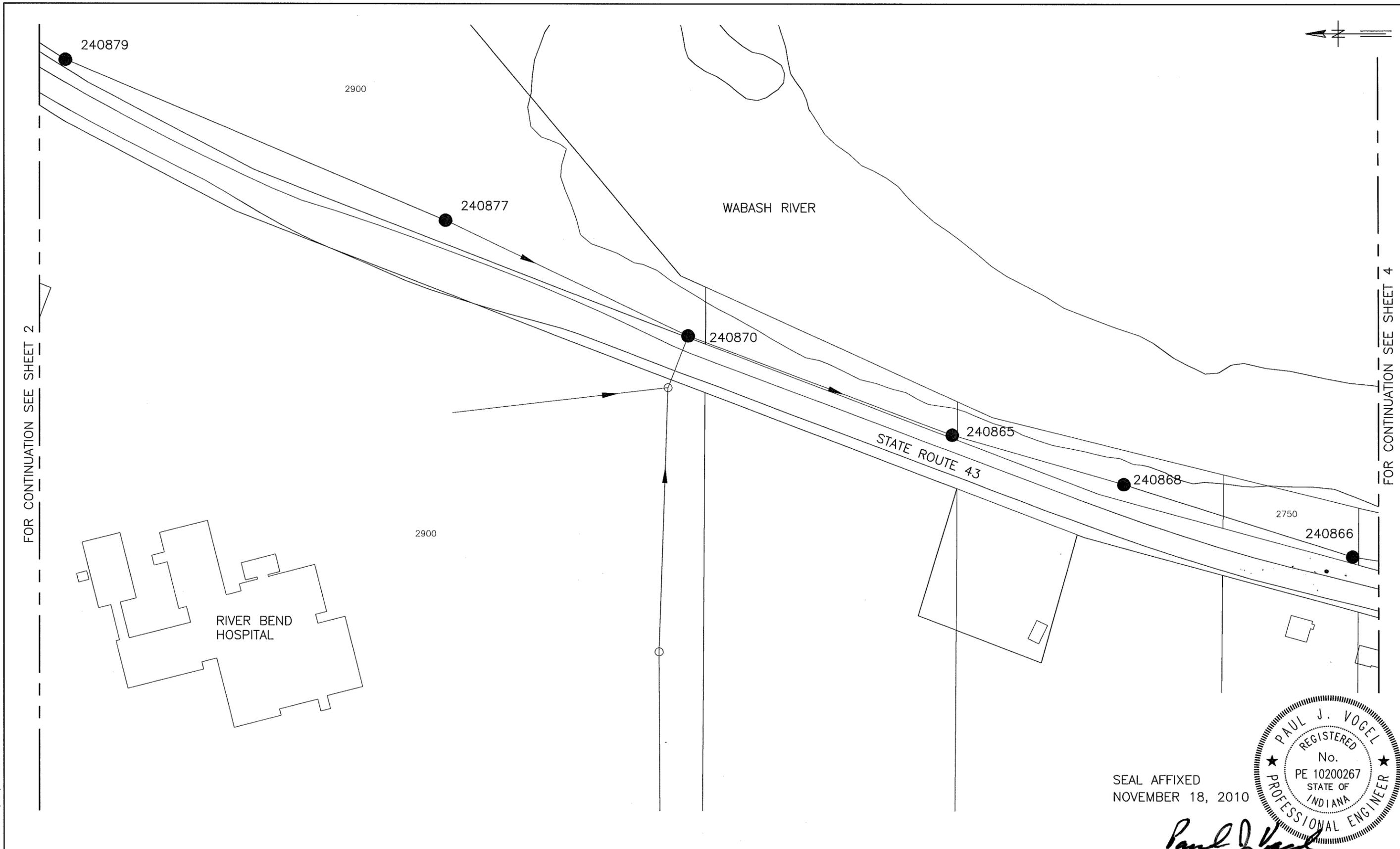






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FOR CONTINUATION SEE SHEET 4



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NOVEMBER 18, 2010



*Paul J. Vogel*

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**GREELEY AND HANSEN**  
 6640 INTECH BOULEVARD, SUITE 180  
 INDIANAPOLIS, INDIANA 46278

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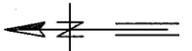
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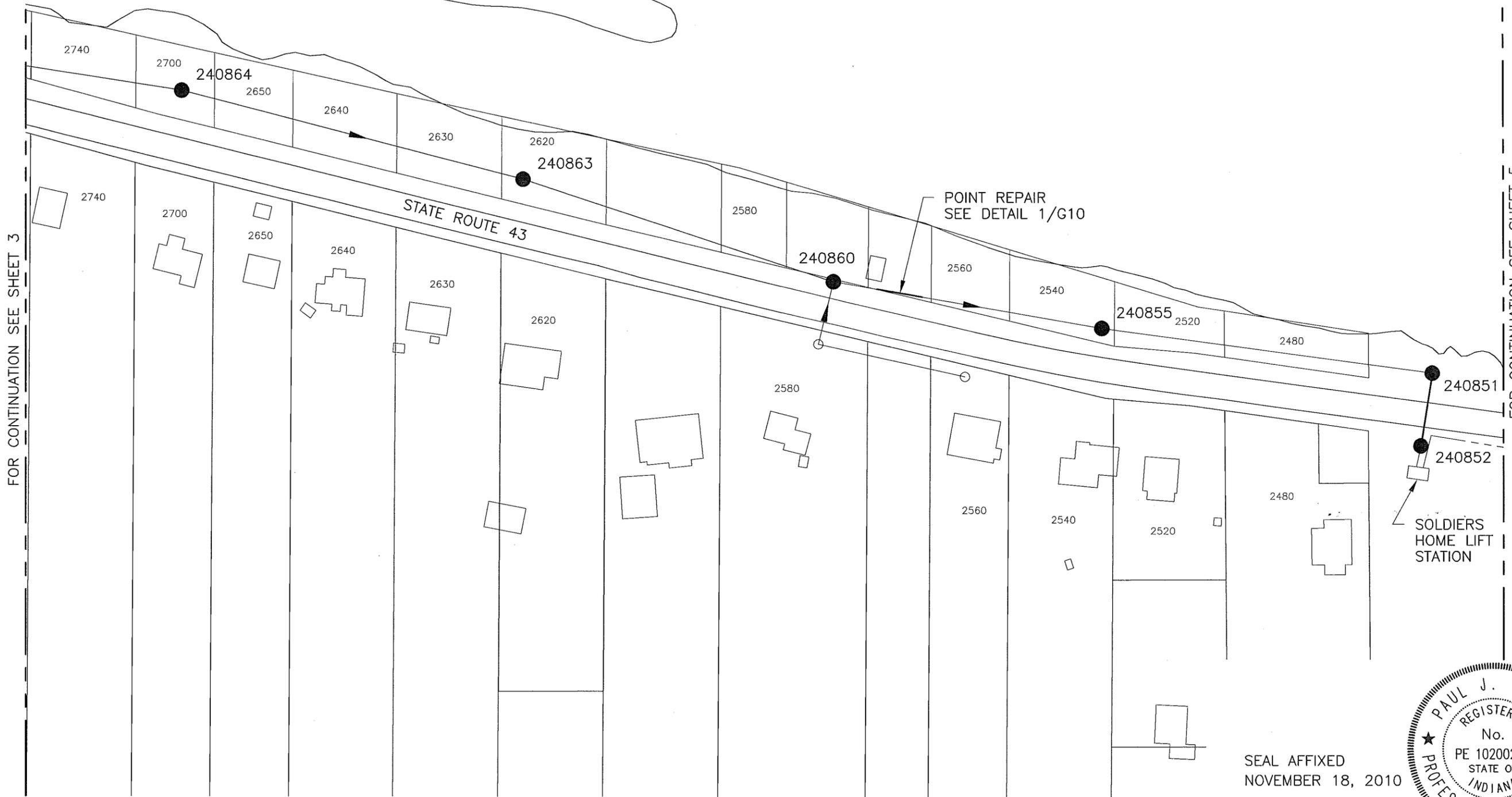
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 NORTH RIVER ROAD INTERCEPTOR  
 SEWER REHABILITATION

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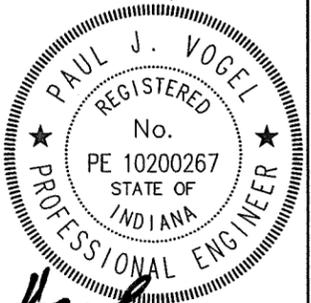
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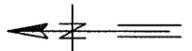
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NOVEMBER 18, 2010



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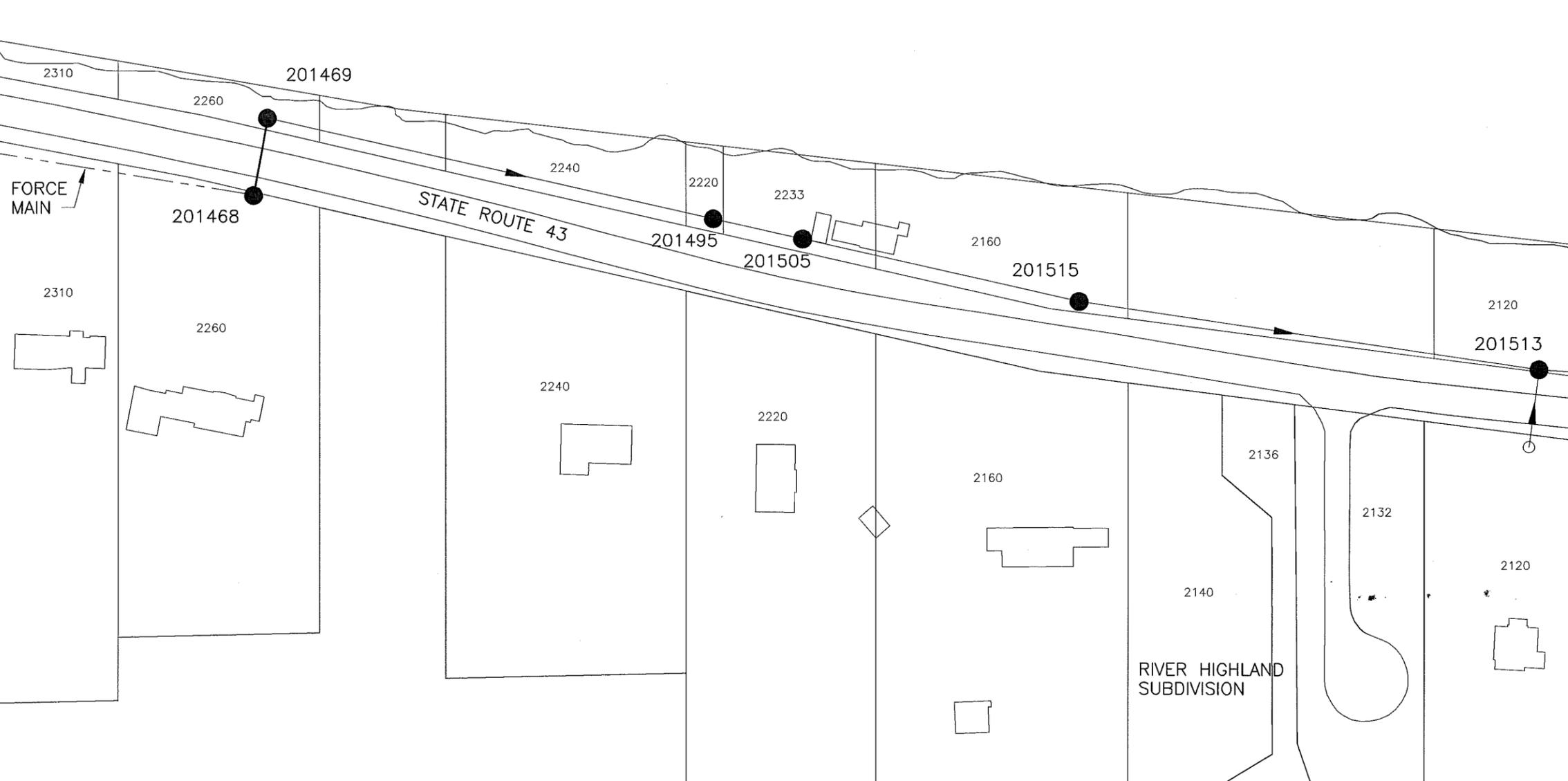
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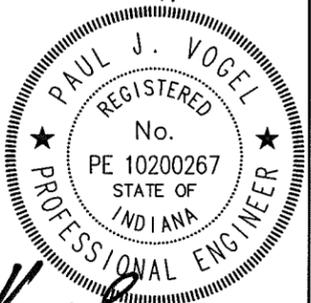
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FOR CONTINUATION SEE SHEET 6



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NOVEMBER 18, 2010



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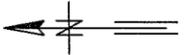
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NORTH RIVER ROAD INTERCEPTOR  
SEWER REHABILITATION

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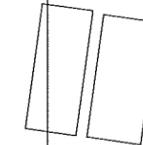
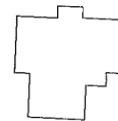
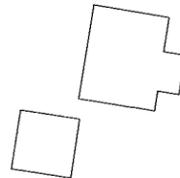
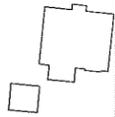
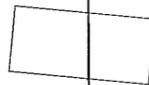
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INDIANAPOLIS, INDIANA 46278

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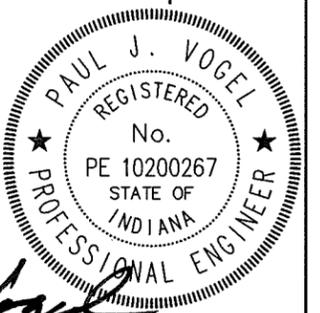
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SEWER REHABILITATION

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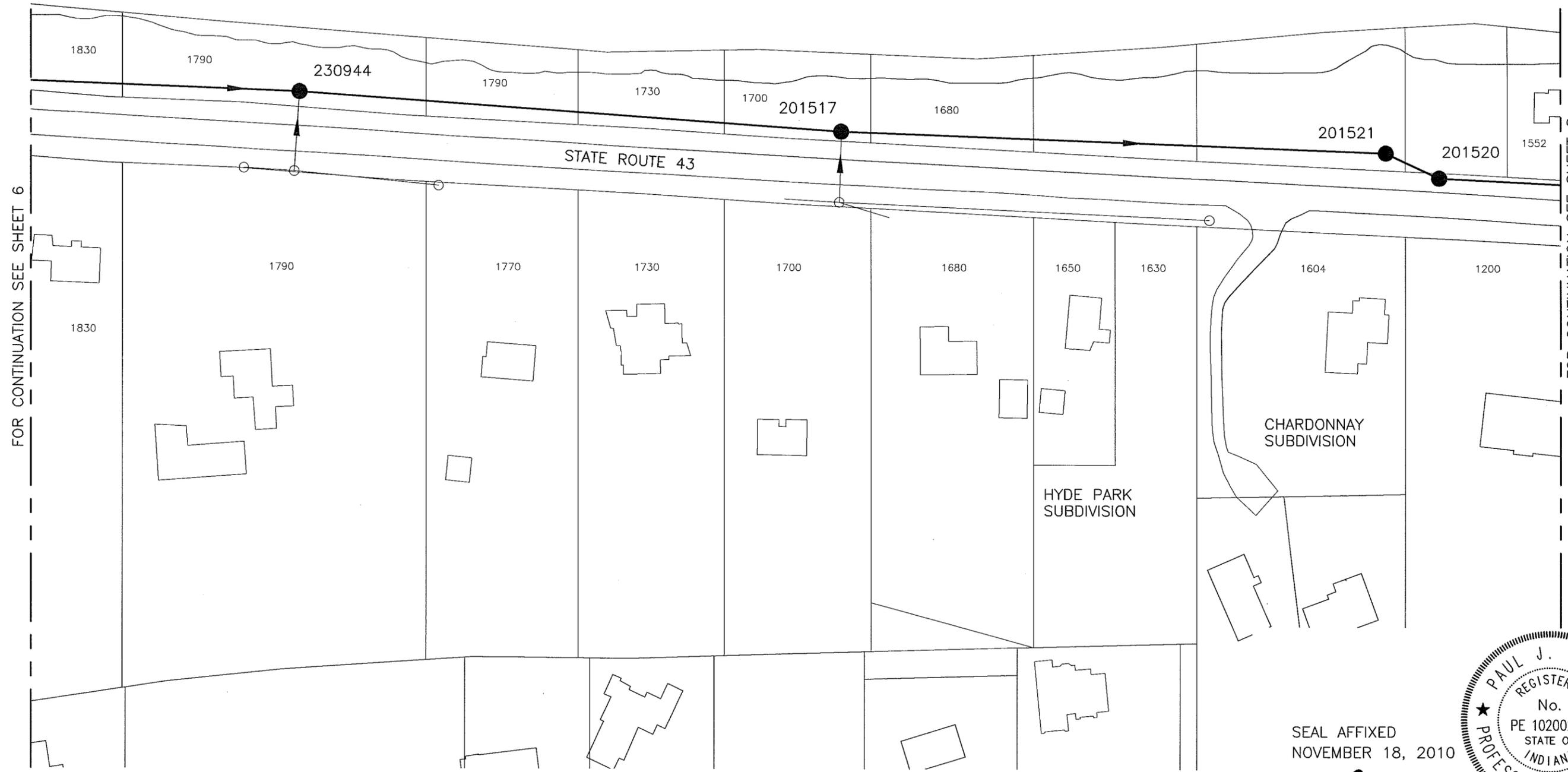
*Paul J. Vogel*



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INDIANAPOLIS, INDIANA 46278

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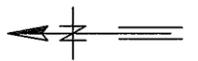
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NOVEMBER 18, 2010

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INDIANAPOLIS, INDIANA 46278

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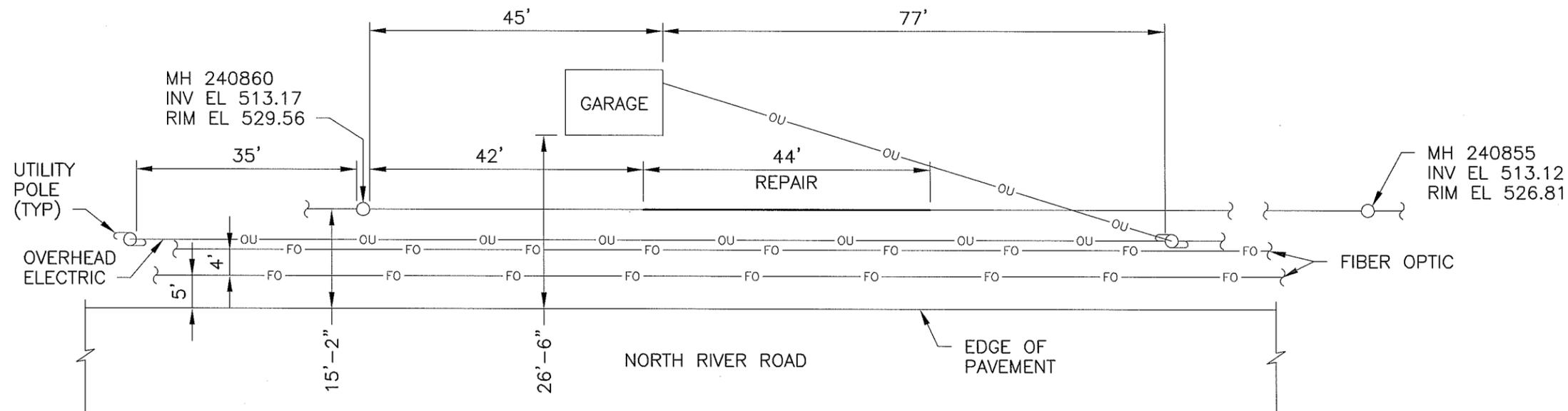
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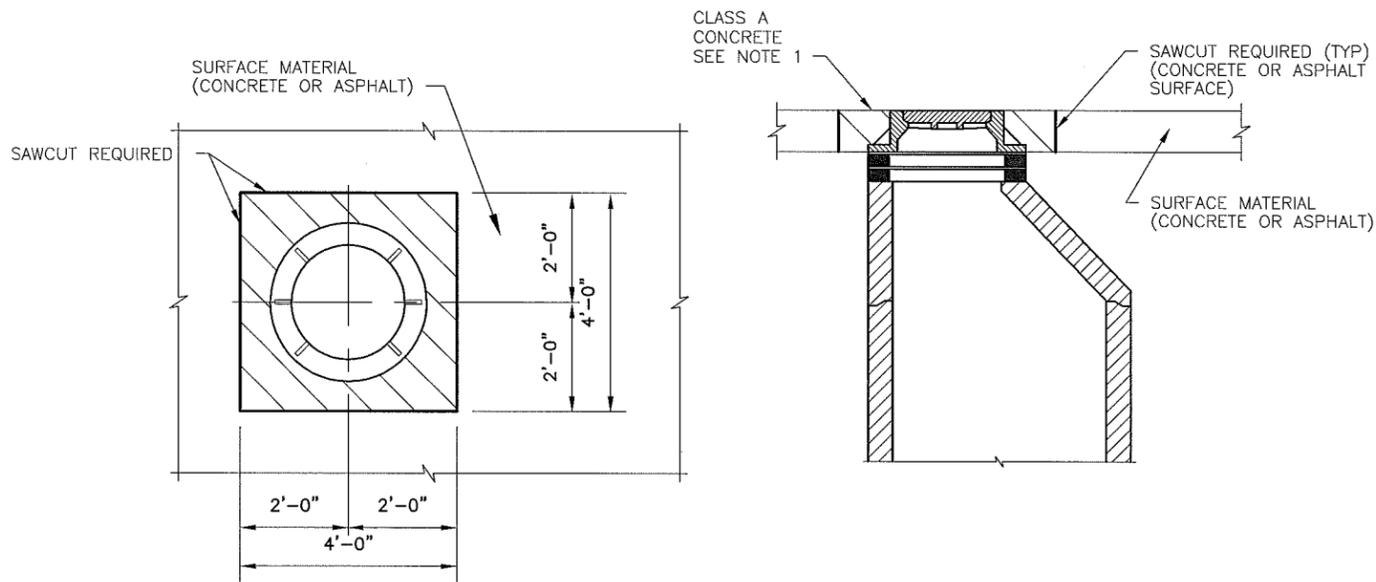


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### DIG AND REPLACE SEWER REPAIR NOTES:

1. COMPLETE WORK UNDER THE CONSTRAINTS LISTED IN SPEC SECTION 01110.
2. LOCATION AND ELEVATIONS SHOWN FOR EXISTING SANITARY SEWER ARE APPROXIMATE. LOCATE ALL UTILITIES PRIOR TO BEGINNING WORK. SUPPORT, PROTECT AND RESTORE ALL UTILITIES AND APPURTENANCES AS REQUIRED TO COMPLETE THE WORK.
3. CONTAIN CONSTRUCTION OPERATIONS WITHIN THE LIMITS OF THE RIGHT-OF-WAY OR EASEMENTS INDICATED ON THE DRAWINGS.
4. PROVIDE EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH SPEC SECTION 02370.
5. PROVIDE EARTH RETENTION SYSTEM IN ACCORDANCE WITH SPECIFICATION SECTION 02251. PROVIDE TEMPORARY CONSTRUCTION FENCE AROUND ALL WORK AREAS AND OPEN EXCAVATIONS.
6. CONDUCT PRE-CONSTRUCTION CLOSED-CIRCUIT TELEVISION INSPECTION OF SANITARY SEWER TO CONFIRM LIMITS OF REPLACEMENT. PERFORM WORK IN ACCORDANCE SPEC SECTION 02651.
7. VERIFY SIZE AND TYPE OF EXISTING SANITARY SEWER. FOR BIDDING PURPOSES ASSUME 24" DIAMETER, CLASS IV, REINFORCED CONCRETE PIPE.
8. INSTALL NEW SEWER REACH AT A CONSTANT SLOPE MATCHING THE UPSTREAM AND DOWNSTREAM INVERT ELEVATIONS IN ACCORDANCE WITH SPEC SECTION 02763.
9. CONDUCT POST-CONSTRUCTION CLOSED-CIRCUIT TELEVISION INSPECTION.
10. RESTORE AREA TO ITS PRE-CONSTRUCTION CONDITION.



### SURFACE REMOVAL AND REPLACEMENT LIMITS

SCALE: NOT TO SCALE

(REQUIRED WHEN INSTALLATION OF NEW CASTING AND REALIGNMENT /ADJUSTMENT OF EXISTING CASTING AND CHIMNEY)

### NOTES:

1. PROVIDE CLASS A CONCRETE OR HMA REPAIR THICKNESS TO MATCH EXISTING PAVEMENT THICKNESS OR 8" MINIMUM, WHICHEVER IS GREATER.

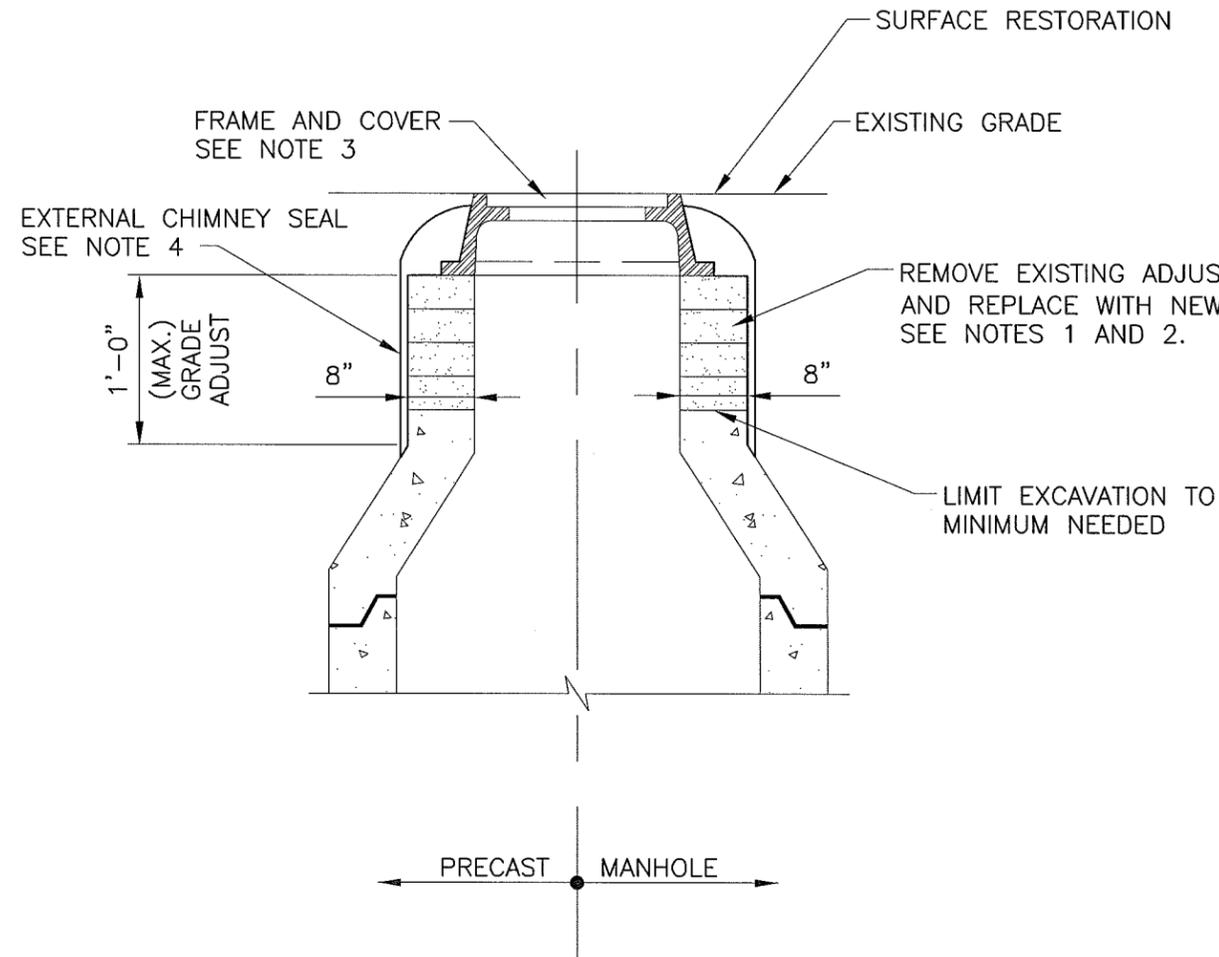
SEAL AFFIXED  
NOVEMBER 18, 2010



*Paul J. Vogel*

FILE: 0791EG10 1:1 11/17/10 09:07 GH-A

GREELEY AND HANSEN 6640 INTECH BOULEVARD, SUITE 180 INDIANAPOLIS, INDIANA 46278	DESIGNED KWG				SCALE	CITY OF WEST LAFAYETTE, INDIANA NORTH RIVER ROAD INTERCEPTOR SEWER REHABILITATION	GENERAL	FILE NAME: 0791EG10.DWG
	DRAWN KWG				AS NOTED			SHEET 10 OF 13
CHECKED JMT							DETAILS	DATE NOVEMBER 2010 REV 0



**NOTES:**

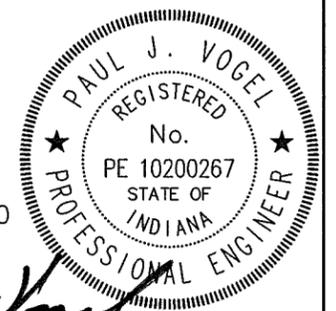
1. PROVIDE PRECAST CONCRETE ADJUSTMENT RINGS CONFORMING TO ASTM C478 FOR ADJUSTING FRAME AND COVER TO GRADE.
2. PRECAST CONCRETE ADJUSTMENT RING AND MANHOLE FRAME TO BE SET ON TWO ROWS OF BUTYL JOINT MATERIAL AND SQUEEZED OUT WHEN JOINT IS MADE.
3. PROVIDE HEAVY DUTY FRAME WITH GASKET SEALED, BOLTED SOLID COVER, WITH THE CITY OF WEST LAFAYETTE LOGO AND THE WORDS "WASTE WATER" CAST IN EACH COVER. PROVIDE EJIW NO. 1022Z1PT OR NEENAH NO. R-1916-C. SUPPLY BRASS HEXHEAD BOLTS.
4. INSTALL EXTERNAL CHIMNEY SEAL AS MANUFACTURED BY CRETEX SPECIALTY PRODUCTS, ADAPTOR, INC. OR EQUAL.
5. THE COST OF ALL WORK REQUIRED BY THE DETAILS SHOWN SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS CONTRACT ITEMS AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.

**MANHOLE FRAME ADJUSTMENT**

NOT TO SCALE

FILE: 0791EG11 1:1 11/17/10 16:18 GH-A

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NOVEMBER 18, 2010



*Paul J. Vogel*

**GREELEY AND HANSEN**  
6640 INTECH BOULEVARD, SUITE 180  
INDIANAPOLIS, INDIANA 46278

DESIGNED KWG  
DRAWN KWG  
CHECKED JMT

NO.	DATE	APPD	REVISION

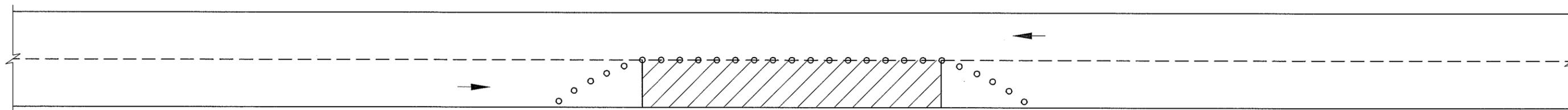
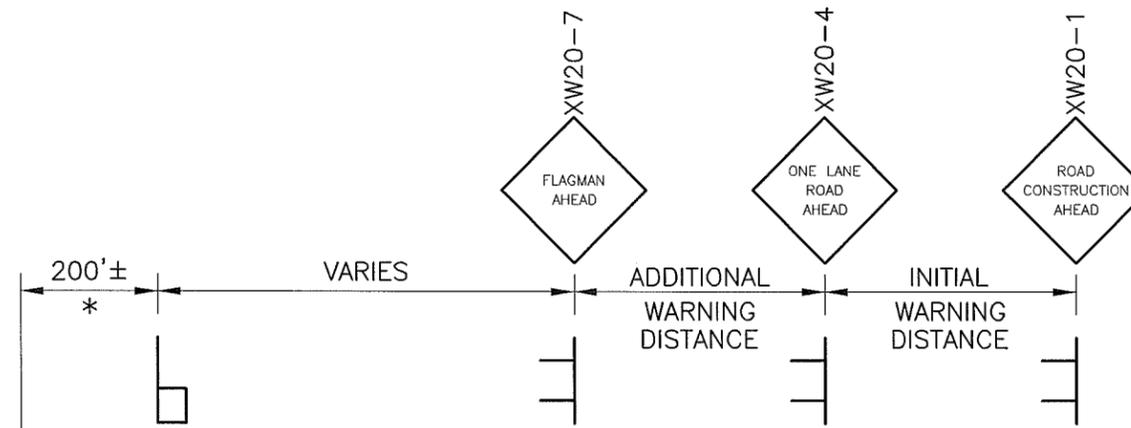
SCALE  
NOT TO SCALE

CITY OF WEST LAFAYETTE, INDIANA  
NORTH RIVER ROAD INTERCEPTOR  
SEWER REHABILITATION

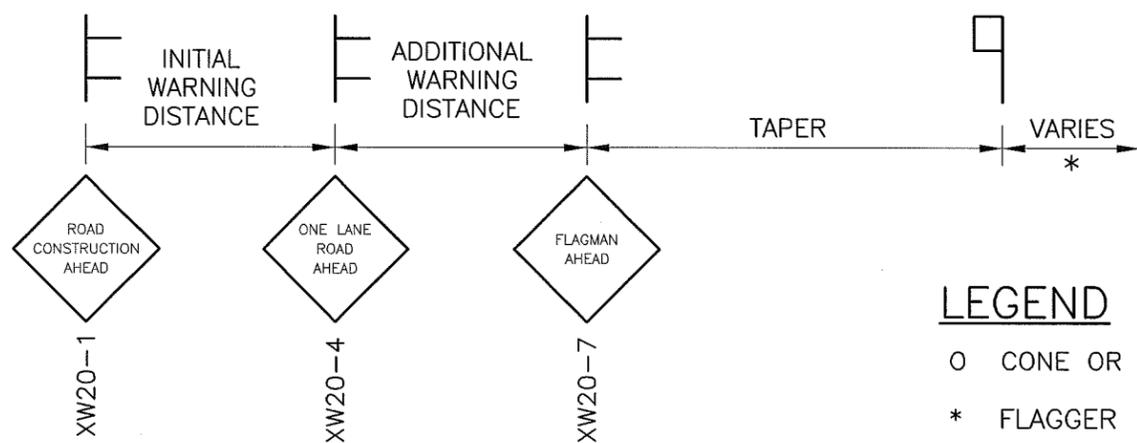
GENERAL  
DETAILS

FILE NAME: 0791EG11.DWG  
SHEET 11 OF 13  
DATE NOVEMBER 2010 REV 0

SPEED LIMIT (MPH)	INITIAL WARNING (FT)	ADDITIONAL WARNING (FT)	TAPER (FT)	CONES (EA)	TAPER CONE SPACING (FT)
25	250	125	125	6	25
30	325	175	180	7	30
35	400	200	245	8	35
40	475	250	320	9	40
45	550	275	540	13	45
50	625	300	600	13	50
55	700	350	660	13	55



WORK AREA



**LEGEND**

- CONE OR DRUMS
- \* FLAGGER
- ≡ SIGN

**NOTES:**

1. THIS SHEET CONTAINS DETAILS FOR SUGGESTED MAINTENANCE OF TRAFFIC METHODS FOR LANE CLOSURES. THIS IS PROVIDED TO ASSIST THE CONTRACTOR IN DEVELOPING HIS/HER OWN MAINTENANCE OF TRAFFIC PLAN.
  2. THE MINIMUM DISTANCE IS 300 FEET AND THE MAXIMUM DISTANCE IS ONE BLOCK, WHICHEVER IS LESS.
  3. LANE CLOSURE MAY OCCUR ONLY FROM 8:30 AM TO 4:00 PM.
  4. CONTRACTOR WILL BE PREQUALIFIED BY INDOT TO INSTALL TRAFFIC CONTROL DEVICES AND SIGNAGE FOR THIS PROJECT.
  5. CONTRACTOR SHALL FOLLOW PAGES 6H-24 AND 6H-25 OF THE 2008 INDIANA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- \* LOCATION OF FLAGMEN AND SIGNS SHALL VARY ACCORDING TO CHANGING CONDITIONS SUCH AS DISTANCES BETWEEN INTERSECTION, SIGHT DISTANCES AND SPEED OF TRAFFIC FLOWS.

**SUGGESTED MAINTENANCE OF TRAFFIC FOR LANE CLOSURE ON TWO-LANE ROAD**

SCALE: NOT TO SCALE

SEAL AFFIXED  
NOVEMBER 18, 2010



*Paul J. Vogel*

FILE: 0791EG12 1:1 11/17/10 16:18 GH-A

<p>6640 INTECH BOULEVARD, SUITE 180 INDIANAPOLIS, INDIANA 46278</p>	DESIGNED KWG					SCALE NOT TO SCALE	CITY OF WEST LAFAYETTE, INDIANA NORTH RIVER ROAD INTERCEPTOR SEWER REHABILITATION	GENERAL SUGGESTED MAINTENANCE OF TRAFFIC FOR LANE CLOSURE ON TWO-LANE ROAD	FILE NAME: 0791EG12.DWG
	DRAWN KWG								SHEET 12 OF 13
	CHECKED JMT								DATE NOVEMBER 2010 REV 0

